



Atty. Dkt. No. 071949-5604

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Buechler et al.

Title: USE OF THROMBUS
PRECURSOR PROTEIN AND
MONOCYTE
CHEMOATTRACTANT
PROTEIN AS DIAGNOSTIC
AND PROGNOSTIC
INDICATORS IN VASCULAR
DISEASES

Appl. No.: 10/728,067

Filing Date: 12/3/2003

Examiner: Jung

Art Unit: 1641

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INFORMATION DISCLOSURE STATEMENT
UNDER 37 CFR §1.56

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Submitted herewith on Form PTO/SB/08 is a listing of documents known to Applicants
in order to comply with Applicants' duty of disclosure pursuant to 37 CFR §1.56.

A copy of each non-US patent document and each non-patent document is being
submitted to comply with the provisions of 37 CFR §1.97 and §1.98.

The submission of any document herewith, which is not a statutory bar, is not intended as
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04/03/2007-AMENDMENT-1641-10067
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C I P E Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT APR 02 2007 (use as many sheets as necessary) <small>PATENT & TRADEMARK SEARCHED INDEXED SERIALIZED FILED</small>			Complete if Known	
			Application Number	10/728,067
			Filing Date	12/3/2003
			First Named Inventor	Kenneth F. Buechler
			Art Unit	1641
			Examiner Name	Jung, Unsu
			Attorney Docket Number	071949-5604
Sheet 1 of 2				

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
A1	US 6,309,888		10-30-2001	Holvoet et al.	
A2	US 2002/0106708		08-08-2002	Thomas et al.	

UNPUBLISHED U.S. PATENT APPLICATION DOCUMENTS

Examiner Initials*	Cite No. ¹	U.S. Patent Application Document	Filing Date of Cited Document MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Serial Number-Kind Code ² (if known)			

FOREIGN PATENT DOCUMENTS

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		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				

NON PATENT LITERATURE DOCUMENTS

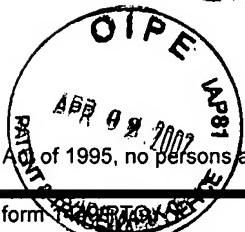
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.				T ⁶
	A3	HEESCHEN et al., "Troponin concentrations for stratification of patients with acute coronary syndromes in relation to therapeutic efficacy of tirofiban." <i>The Lancet</i> , Vol. 354, pp. 1757-1762, 1999.				
	A4	INDIK and ALPERT, "Detection of pulmonary embolism by D-dimer assays, spiral computed tomography, and magnetic resonance imaging." <i>Progress in Cardiovascular Diseases</i> , Vol. 42, pp 261-272, 2000.				
	A5	KLINE et al., "New diagnostic tests for pulmonary embolism." <i>Annals of Emergency Medicine</i> Vol. 35, pp. 168-180, 2000.				
	A6	SINGH et al., "Optimization technique in human gall bladder health care system." <i>The 1996 IEEE International Conference on Systems, Man and Cybernetics. Part 4 (of 4)</i> . Vol. 4, pp 2855-2857, 1996.				
	A7	ZWEIG and CAMPBELL, "Receiver-operating characteristic (ROC) Plots: A fundamental evaluation tool in clinical medicine." <i>Clin. Chem.</i> , Vol. 39(4), pp 561-577, 1993.				

Examiner Signature	Date Considered
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INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

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Sheet 2 of 2

Complete if Known

Application Number	10/728,067
Filing Date	12/3/2003
First Named Inventor	Kenneth F. Buechler
Art Unit	1641
Examiner Name	Jung, Unsu

Attorney Docket Number 071949-5604

NON PATENT LITERATURE DOCUMENTS

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	A8	Amar <i>et al.</i> , "Interleukin 6 is associated with subclinical atherosclerosis: a link with soluble intercellular adhesion molecule 1." <i>J. Hypertens.</i> 24:1083-88, 2006.	
	A9	Beloqui <i>et al.</i> , "Monocyte cyclooxygenase-2 overactivity: a new marker of subclinical atherosclerosis in asymptomatic subjects with cardiovascular risk factors?" <i>Eur. Heart J.</i> 26:153-58, 2005.	
	A10	Christenson <i>et al.</i> , "Standardization of Cardiac Troponin I Assays: Round Robin of Ten Candidate Reference Materials," <i>Clin. Chem.</i> 47: 431-37, 2001.	
	A11	Deo <i>et al.</i> , "Association among plasma levels of monocyte chemoattractant protein-1, traditional cardiovascular risk factors, and subclinical atherosclerosis." <i>J. Am. Coll. Cardiol.</i> 44(9): 1812-18, 2004.	
	A12	Hulthe and Fagerberg, "Circulating oxidized LDL is associated with subclinical atherosclerosis development and inflammatory cytokines (AIR study)." <i>Arterioscler. Thromb. Vasc. Biol.</i> 22: 1162-1167, 2002.	
	A13	Kuller <i>et al.</i> , "Prevalence of subclinical atherosclerosis and cardiovascular disease and association with risk factors in the cardiovascular health study." <i>Am. J. Epidemiol.</i> 139(12):1164-79, 1994.	
	A14	Naghavi <i>et al.</i> , "From vulnerable plaque to vulnerable patient – Part III: Executive summary of the screening for heart attack prevention and education (SHAPE) task force report." <i>Am. J. Cardiol.</i> , 98(supp): 2H-15H, 2006.	
	A15	Nelson <i>et al.</i> , "Plasma sphingomyelin and subclinical atherosclerosis: Findings from the multi-ethnic study of atherosclerosis." <i>Am. J. Epidemiol.</i> 163:903-12, 2006.	
	A16	Orbe <i>et al.</i> , "Independent association of matrix metalloproteinase-10, cardiovascular risk factors and subclinical atherosclerosis." <i>J. Thromb. Haemost.</i> 5: 91-97, 2007.	
	A17	Wang <i>et al.</i> , "Association of C-reactive protein with carotid atherosclerosis in men and women: The Framingham heart study." <i>Arterioscler. Thromb. Vasc. Biol.</i> 22: 1662-1667, 2002.	

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INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

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Sheet 1 of 28

Complete if Known

Application Number	10/728,067
Filing Date	12/03/2003
First Named Inventor	Kenneth F. Buechler
Group Art Unit	1641
Examiner Name	Jung

Attorney Docket Number 071949-5604

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
	A1	6,156,521		Buechler et al.	12/05/00	
	A2	6,147,688		Clair	11/14/00	
	A3	6,143,576		Buechler	11/07/00	
	A4	6,113,855		Buechler	09/05/00	
	A5	6,019,944		Buechler	02/01/00	
	A6	5,985,579		Buechler et al.	11/16/99	
	A7	5,955,377		Maul et al.	09/21/99	
	A8	5,947,124		Buechler et al.	09/07/99	
	A9	5,939,272		Buechler et al.	08/17/99	
	A10	5,922,615		Nowakowski et al.	07/13/99	
	A11	5,885,527		Buechler	03/23/99	
	A12	5,851,776		Valkirs	12/22/98	
	A13	5,843,690		Gargan	12/01/98	
	A14	5,824,799		Buechler et al.	10/20/98	
	A15	5,795,725		Buechler et al.	08/18/98	
	A16	5,679,526		Buechler et al.	10/21/97	
	A17	5,631,171		Sandstrom et al.	05/20/97	
	A18	5,525,524		Buechler et al.	06/11/96	
	A19	5,480,792		Buechler et al.	01/02/96	
	A20	5,453,359		Gargan	09/26/95	

FOREIGN PATENT DOCUMENTS

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		Office ³	Number ⁴	Kind Code ⁵ (if known)				
	B2	WO	01/16599 A1					

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS							
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.					T ⁶
	C1	Aggarwal et al., "Evaluation of serum lipid profile and cardiac enzyme changes in cerebrovascular accidents," <i>JIMA</i> , 93:331-332 (1995).					
	C2	Akiyama et al., "Changes in serum concentrations of matrix metalloproteins, tissue inhibitors of metallo proteinases and Type IV collagen in patients with various types of glomerulonephritis," <i>Res. Commun. In Mol. Path. and Pharm.</i> , 95(2): 115-128 (1997).					
	C3	Albrechtsen, M. and Bock, E. J., "Quantification of Glial Fibrillary Acidic Protein (GFAP) in Human Body Fluids by means of ELISA Employing a Monoclonal Antibody, <i>Neuroimmunol.</i> 8:301-309 (1985).					
	C4	Amaro, A. et al., "Plasma leukocyte elastase concentration in angiographically diagnosed coronary artery disease," <i>Eur. Heart J.</i> 16:615-622 (1995).					
	C5	Ardissino, D. et al., "Tissue-factor antigen and activity in human coronary atherosclerotic plaques," <i>Lancet</i> 349:769-771 (1997).					
	C6	Asano, Y. et al., "Clinical Significance of surfactant protein D as a serum marker of evaluating pulmonary fibrosis in patients with systemic sclerosis," <i>Arthritis Rheum</i> 44(6):1363-9 (June 2001).					
	C7	Austgulen et al., "Increased maternal plasma levels of soluble adhesion molecules (ICAM-1, VCAM-1, E-selectin) in preclampsia," <i>Eur. J. Obstet. Gynecol. Reprod. Biol.</i> , 71:53-58 (1997).					
	C8	Badr-elDin et al., "Eosinophil cationic protein as a serological marker of disease activity in childhood bronchial asthma," <i>East Mediterr. Health J.</i> 5:664-75 (1999).					
	C9	Baker, T. et al., "Serum metalloproteinases and their inhibitors: markers for malignant potential," <i>Br. J. Cancer</i> 70:506-512 (1994).					

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				Group Art Unit	1641
				Examiner Name	Jung
				Attorney Docket Number	071949-5604

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS

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	C10	Balagopalakrishna, C. et al., "Modification of low density lipoproteins by erythrocytes and hemoglobin under hypoxic conditions, <i>Adv. Exp. Biol.</i> 411:337-345 (1997).	
	C11	Bandoh et al., "Sequential changes of KL-6 in sera of patients with interstitial pneumonia associated with polymyositis/dermatomyositis," <i>Ann. Rheum. Dis.</i> 59:257-62 (2000).	
	C12	Banks et al., "Circulating intercellular adhesion molecule-1 (ICAM-1), E-selectin and vascular cell adhesion molecule-1 (VCAM-1) in human malignancies," <i>Br. J. Cancer</i> 68:122-124 (1993).	
	C13	Bates et al., "Neurotrophin-3 promotes cell death induced in cerebral ischemia, oxygen-glucose deprivation, and oxidative stress: possible involvement of oxygen free radicals," <i>Neurobiology of Disease</i> 9: 24-37 (2002).	
	C14	Bayes-Genis, A. et al., "Elevated levels of plasmin- α 2 antiplasmin complexes in unstable angina," <i>Thromb. Haemost.</i> 81:865-68 (1999).	
	C15	Bazzan, M. et al., "No evidence of platelet activation during atrial pacing in subjects with stable angina," <i>Cardiologia</i> 34:217-220 (1989).	
	C16	Benamer et al., "Comparison of the prognostic value of C-reactive protein and troponin I in patients with unstable angina pectoris," <i>Am. J. Cardiol.</i> , 82:845-850 (1998).	
	C17	Bertinchant, J.P. et al., "Release kinetics of serum cardiac troponin I in ischemic myocardial injury," <i>Clin. Biochem.</i> 29:587-594 (1996).	
	C18	Bialik et al., "Myocyte apoptosis during acute myocardial infarction in the mouse localizes to hypoxic regions but occurs independently of p53," <i>J. Clin. Invest.</i> 100(6): 1363-1372 (1997).	
	C19	Biasucci et al., "Episodic activation of the coagulation system in unstable angina does not elicit an acute phase reaction," <i>Am. J. of Cardiol.</i> 77:85-87 (1996).	
	C20	Biasucci, L.M. et al., "Temporal relation between ischemic episodes and activation of the coagulation system in unstable angina," <i>Circulation</i> 93:2121-2127 (1996).	
	C21	Biasucci et al., "Elevated levels of interleukin-6 in unstable angina," <i>Circulation</i> 94:874-877 (1996).	
	C22	Biasucci et al., "Increasing levels of interleukin (IL)-1Ra and IL-6 during the first 2 days of hospitalization in unstable angina are associated with increased risk of in-hospital coronary events," <i>Circulation</i> 99:2079-2084 (1999).	

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				First Named Inventor	Kenneth F. Buechler
				Group Art Unit	1641
				Examiner Name	Jung
				Attorney Docket Number	071949-5604

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	C23	Bitsch et al., "A longitudinal prospective study of soluble adhesion molecules in acute stroke," <i>Stroke</i> , 29:2129-2135 (1998).	
	C24	Blankaert et al., "Constitutive release of metalloproteinase-9 (92-kd Type IV collagenase) by Kaposi's sarcoma cells," <i>J. Acquir. Immune Defic. Syndr. Hum. Retrovirol.</i> 18:203-209 (1998).	
	C25	Blann et al., "Soluble intercellular adhesion molecule-1, E-selectin, vascular cell adhesion molecule-1 and von Willebrand factor in stroke," <i>Blood Coagul. Fibrinolysis</i> 10:277-284 (1999).	
	C26	Blann, A.D. et al., "Evidence of platelet activation in hypertension," <i>J. Hum. Hypertens.</i> 11:607-609 (1997).	
	C27	Blann, A.D. et al., "Soluble P-selectin in atherosclerosis: a comparison with endothelial cell and platelet markers," <i>Thromb. Haemost.</i> 77:1077-1080 (1997).	
	C28	Bonfrer et al., "The luminescence immunoassay S-100: a sensitive test to measure circulating S-100B: its prognostic value in malignant melanoma," <i>Brit. Jour. of Cancer</i> 77(12): 2210-2214 (1998).	
	C29	Bollensen et al., "Adenylate kinase enzyme activity in cases of brain infarction," <i>Acta Neurol. Scand.</i> 79:53-58 (1989).	
	C30	Bonomini, M. et al., "Serum levels of soluble adhesion molecules in chronic renal failure and dialysis patients," <i>Nephron</i> 79:399-407 (1998).	
	C31	Bonow, "New insights into the cardiac natriuretic peptides," <i>Circulation</i> 93:1946-1950 (1996).	
	C32	Bossnik et al., "Plasma levels of the chemokines monocyte chemotactic proteins-1 and -2 are elevated in human sepsis," <i>Blood</i> 86(10): 3841-3847 (1995).	
	C33	Bousquet et al., "Eosinophilic inflammation in asthma," <i>New Engl. J Med.</i> 323:1033-9 (1990).	
	C34	Bowen-Pope, D.F. et al., "Platelet-derived growth factor in vivo: levels, activity, and rate of clearance," <i>Blood</i> 64:458-469 (1984).	
	C35	Brooks and Ergul, "Identification of amino acid residues in the C-terminal tail of big endothelin-1 involved in processing to endothelin-1," <i>J. Mol. Endocrinol.</i> 21:307-15 (1998).	
	C36	Brown, D.L. et al., "Identification of 92-kd gelatinase in human coronary atherosclerotic lesions," <i>Circulation</i> 91:2125-2131 (1995).	

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				Filing Date	12/03/2003
				First Named Inventor	Kenneth F. Buechler
				Group Art Unit	1641
				Examiner Name	Jung
				Attorney Docket Number	071949-5604

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ⁶
	C37	Caligiuri et al., "Immune system activation follows inflammation in unstable angina: pathogenetic implications," <i>J.Am. Coll. Cardiol.</i> 32:1295-1304 (1998).	
	C38	Carlstedt et al., "Proinflammatory cytokines, measured in a mixed population on arrival in the emergency department, are related to mortality and severity of disease," <i>Journal of Internal Medicine</i> 242:361-365 (1997).	
	C39	Carraro, U. and Franceschi, C., "Apoptosis of skeletal and cardiac muscles and physical exercise," <i>Aging (Milano)</i> 9:19-34 (1997).	
	C40	Carter et al., "Platelet GP IIIa P1A and GP Ib variable number tandem repeat polymorphisms and markers of platelet activation in acute stroke," <i>Arterioscler. Thromb. Vasc.</i> 18:1124-1131 (1998).	
	C41	Carter et al., "Purification, cloning, expression and biological characterization of an interleukin-1 receptor antagonist protein," <i>Nature</i> 344:633-638 (1990).	
	C42	Carville, D.G. et al., "Thrombus precursor protein (TpP™): marker of thrombosis early in the pathogenesis of myocardial infarction," <i>Clin. Chem.</i> 42:1537-1541 (1996).	
	C43	Catto et al., "von Willebrand factor and factor VIII: C in acute cerebrovascular disease," <i>Thromb. Haemost.</i> 77:1104-8 (1997).	
	C44	Chong, B.H. et al., "Plasma P-selectin is increased in thrombotic consumptive platelet disorders," <i>Blood</i> 83:1535-1541 (1994).	
	C45	Colucciello, S.A., <i>EMR Textbook</i> , pp. 1-23 http://www.thrombosis-consult.com/articles/Texbook/54_pulmonary , printed 11/04/2002	
	C46	Cohen, A.M. et al., "Plasma clearance and tissue distribution of recombinant human platelet-derived growth factor (B-chain homodimer) in rats," <i>J. Surg. Res.</i> 49:447-452 (1990).	
	C47	Crouch, "Surfactant protein-D and pulmonary host defense," <i>Respir. Res.</i> 1: 93-108 (2000).	
	C48	Curzen et al., "Can C reactive protein or troponins T and I predict outcome in patients with intractable unstable angina?" <i>Heart</i> 80:23-27 (1998).	
	C49	D'Astou, M., "Diastolic Heart Failure," <i>Persp. In Cardiology</i> pp. 30-37 (May 2002).	

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	C50	Dangas et al., "Correlation of serum lipoprotein(a) with the angiographic and clinical presentation of coronary artery disease," <i>Am. J. Cardiol.</i> 83:583-585 (1999).	
	C51	Dao et al., "Utility of B-Type Natriuretic Peptide in the Diagnosis of Congestive Heart Failure in an Urgent-Care Setting," <i>J. Am. Coll. Cardiol.</i> 37:379-85 (2001).	
	C52	Davi, G. et al., "Increased levels of soluble P-selectin in hypercholesterolemic patients," <i>Circulation</i> 97:953-957 (1998).	
	C53	Davidson et al., "C-type natriuretic peptide," <i>Circulation</i> 93:1155-9 (1996).	
	C54	Davie et al., "The coagulation cascade: initiation, maintenance and regulation," <i>Biochemistry</i> 30(43): 10363-10370 (1991).	
	C55	De Caterina, R. et al., "Platelet activation in angina at rest. Evidence by paired measurement of plasma beta-thromboglobulin and platelet factor 4*," <i>Eur. Heart J.</i> 9:913-922 (1988).	
	C56	De Rose et al., "Circulating adhesion molecules in cystic fibrosis," <i>Am. J. Respir. Crit. Care Med.</i> 157: 1234-1239 (1998).	
	C57	Depre, C. et al., "Expression of inducible nitric oxide synthase in human coronary atherosclerotic plaque," <i>Cardiovasc. Res.</i> 41:465-472 (1999).	
	C58	Diller, M.P. et al., "Congestive Heart Failure Due to Diastolic or Systolic Dysfunction," <i>Arch Fam Med.</i> 8:414-420 (1999).	
	C59	Dinerman, J.L. et al., "Increased neutrophil elastase release in unstable angina pectoris and acute myocardial infarction," <i>J. Am. Coll. Cardiol.</i> 15:1559-1563 (1990).	
	C60	Doubell, A.F. et al., "Identification and immunolocalisation of annexins V and VI, the major cardiac annexins, in rat heart," <i>Cardiovasc. Res.</i> 27:1359-1367 (1993).	
	C61	Dunlop, L.C. et al., "Characterization of GMP-140 (P-selectin) as a circulating plasma protein," <i>J. Exp. Med.</i> 175:1147-1150 (1992).	
	C62	Durany, N. and Carreras, J., "Distribution of phosphoglycerate mutase isozymes in rat, rabbit and human tissues," <i>Comp. Biochem. Physiol. B. Biochem. Mol. Biol.</i> 114B:217-223 (1996).	
	C63	Egermayer et al., "Usefulness of D-dimer, blood gas, and respiratory rate measurements for excluding pulmonary embolism," <i>Thorax</i> 53:830-34 (1998).	

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	C64	Eisenberg et al., "Interleukin 1 receptor antagonist is a member of the interleukin 1 gene family: evolution of a cytokine control mechanism," <i>Proc. Nat. Acad. Sci. USA</i> , 88: 5232-5236 (1991).	
	C65	Emsley et al., "Crystal structure of the von Willebrand factor A1 domain and implications for the binding of platelet glycoprotein Ib," <i>Journal of Biological Chemistry</i> 273(17): 10396-10401, (1998).	
	C66	Endo et al., "Elevated levels of serum and plasma metalloproteinases in patients with gastric cancer," <i>Anticancer Research</i> 17:2253-2258 (1997).	
	C67	Endo, S. et al., "Plasma interleukin 8 and polymorphonuclear leukocyte elastase concentrations in patients with septic shock," <i>J. Inflamm.</i> 45:136-142 (1995).	
	C68	Eriksson, S. et al., "Leucocyte elastase as a marker in the diagnosis of acute appendicitis," <i>Eur. J. Surg.</i> 161:901-905 (1995).	
	C69	Ertenli, I. et al., "P-selectin as a circulating molecular marker in rheumatoid arthritis with thrombocytosis," <i>J. Rheumatol.</i> 25:1054-1058 (1998).	
	C70	Estrada et al., "High plasma levels of endothelin-1 and atrial natriuretic peptide in patients with acute ischemic stroke," <i>Am. J. of Hypertension</i> 7(12):1085-1089 (1994).	
	C71	Falciani, M. et al., "Elevated tissue factor and tissue factor pathway inhibitor circulating levels in ischemic heart disease patients," <i>Thromb. Haemost.</i> 79:495-499 (1998).	
	C72	Feinberg et al., "Hemostatic markers in acute ischemic stroke," <i>Stroke</i> 27:1296-1300 (1996).	
	C73	Portales, P.J. et al., "Utility of the serum biochemical markers CPK, CPK MB mass, myoglobin, and cardiac troponin T in a chest pain unit," <i>Rev. Esp. Cardio.</i> 55(9):913-20 (Sep 2002).	
	C74	Fernandes-Alnemri et al., "CPP32, a novel human apoptotic protein with homology to <i>Caenorhabditis elegans</i> cell death protein Ced-3 and mammalian interleukin-1 β -converting enzyme," <i>Journal of Biological Chemistry</i> 269(49): 30761-30764 (1994).	
	C75	Fisher et al., "Serum concentrations and peripheral secretion of the beta chemokines monocyte chemoattractant protein 1 and macrophage inflammatory protein 1 α in alcoholic liver disease," <i>Gut</i> 45(3):416-420 (1999).	

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	C76	Fon et al., "Hemostatic markers in acute transient ischemic attacks," <i>Stroke</i> 25(2): 282-286 (1994).	
	C77	Forssmann et al., "The endocrine heart and natriuretic peptides: histochemistry, cell biology, and functional aspects of the renal urodilatin system," <i>Histochem Cell Biol</i> 110: 335-357 (1998).	
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	C79	Fransen, E.J. et al., "Evaluation of "new" cardiac markers for ruling out myocardial infarction" <i>Chest</i> 122(4):1316-21 (Oct 2002).	
	C80	Frijns, C.J. et al., "Soluble adhesion molecules reflect endothelial cell activation in ischemic stroke and in carotid atherosclerosis," <i>Stroke</i> 28:2214-2218 (1997).	
	C81	Fujii et al., "Hemostasis in spontaneous subarachnoid hemorrhage," <i>Neurosurgery</i> 37(2): 226-234 (1995).	
	C82	Fujii et al., "Serial changes of hemostasis in aneurysmal subarachnoid hemorrhage with special reference to delayed ischemic neurological deficits," <i>J. Neurosurg.</i> 86:594-602 (1997).	
	C83	Gaasch, W.H., Diagnosis and treatment of heart failure based on left ventricular systolic or diastolic dysfunction," <i>JAMA</i> 271:1276-80 (1994).	
	C84	Gabay et al., "Interleukin 1 receptor antagonist (IL-1Ra) is an acute-phase protein," <i>J. Clin. Invest.</i> 99(12): 2930-2940 (1997).	
	C85	Gallino, A. et al., "Fibrin formation and platelet aggregation in patients with acute myocardial infarction: effects of intravenous and subcutaneous low-dose heparin," <i>Am. Heart J.</i> 112:285-290 (1986).	
	C86	Gamble, J.R. et al., "Prevention of activated neutrophil adhesion to endothelium by soluble adhesion protein," <i>Science</i> 249:414-417 (1990).	
	C87	Gando, S. et al., "Increased neutrophil elastase, persistent intravascular coagulation, and decreased fibrinolytic activity in patients with posttraumatic acute respiratory distress syndrome," <i>J. Trauma</i> 42:1068-1072 (1997).	

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	C88	Garbisa, S. et al., "Correlation of serum metalloproteinase levels with lung cancer metastasis and response to therapy," <i>Cancer Res.</i> 52:4548-4549 (1992).	
	C89	Genereau, T. et al., "Human neutrophil elastase in temporal (Giant Cell) arteritis: plasma and immunohistochemical studies," <i>J. Rheumatol.</i> 25:710-713 (1998).	
	C90	Gensini, G.F. et al., "Increased protein C and fibrinopeptide: a concentration in patients with angina," <i>Thromb. Res.</i> 50:517-525 (1988).	
	C91	George et al., "Evidence for altered hepatic matrix degradation in genetic haemochromatosis," <i>Gut</i> 42: 715-720 (1998).	
	C92	Ghaisas, N.K. et al., "Elevated levels of circulating soluble adhesion molecules in peripheral blood of patients with unstable angina," <i>Am. J. Cardiol.</i> 80:617-619 (1997).	
	C93	Ghanem, H. et al., "Increased low density lipoprotein oxidation in stable kidney transplant recipients," <i>Kidney Int.</i> 49:488-493 (1996).	
	C94	Giambanco, I. et al., "Immunohistochemical localization of annexin V (CaBP33) in rat organs," <i>J. Histochem. Cytochem.</i> 39:P1189-1198 (1991).	
	C95	Glatz, J.F. et al., "Fatty-acid-binding protein as a plasma marker for the estimation of myocardial infarct size in humans," <i>Br. Heart J.</i> 71:135-140 (1994).	
	C96	Gleeson, M. et al., "The effect of severe eccentric exercise-induced muscle damage on plasma elastase, glutamine and zinc concentrations," <i>Eur. J. Appl. Physiol.</i> 77:543-546 (1998).	
	C97	Gogos et al., "Pro-versus anti-inflammatory cytokine profile in patients with severe sepsis: a marker for prognosis and future therapeutic options," <i>J. Infect. Dis.</i> 181:176-80 (2000).	
	C98	Gohji et al., "Elevation of serum levels of matrix metalloproteinase-2 and -3 as new predictors of recurrence in patients with urothelial carcinoma," <i>Cancer</i> 78(11):2379-2387 (12/1/1996).	
	C99	Goldhaber, S.Z., "Modern treatment of pulmonary embolism," <i>Eur. Respir. J. Suppl.</i> 35:22s-27s (2002).	
	C100	Goto et al., "Enhanced shear-induced platelet aggregation in acute myocardial infarction," <i>Circulation</i> 99:608-613 (1999).	

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	C101	Grisolia, S. et al., "Influence of size, protein concentration, protein synthesis inhibitors, and carbon on clearance of enzymes and proteins from blood," <i>Physiol. Chem. Phys.</i> 8:37-52 (1976).	
	C102	Gruber, B.L. et al., "Markedly elevated serum MMP-9 (Gelatinase B) levels in rheumatoid arthritis: a potentially useful laboratory marker," <i>Clin. Immunol. Immunopathol.</i> 78:161-171 (1996).	
	C103	Gurfinkel, E. et al., "Importance of thrombosis and thrombolysis in silent ischaemia: comparison of patients with acute myocardial infarction and unstable angina," <i>Br. Heart J.</i> 71:151-55 (1994).	
	C104	Hammer-Lercher et al., "Head-to-head comparison of N-terminal pro-brain natriuretic peptide, brain natriuretic peptide and N-terminal pro-atrial natriuretic peptide in diagnosis left ventricular dysfunction," <i>Clin. Chim. Acta</i> 310(2):193-7 (2001).	
	C105	Hamerman, S.I. et al., "Endothelial cell nitric oxide production in acute chest syndrome," <i>Am. J. Physiol.</i> 277:H1579-H1592 (1999).	
	C106	Hanley and McNeil, "The meaning and use of the area under a receiver operating characteristic (ROC) curve," <i>Radiology</i> 143:29-36 (1982).	
	C107	Harris, "Emergency management of acute asthma," <i>Aust. Fam. Physician</i> 31:802-06 (2002).	
	C108	Hasegawa, S. et al., "S100a ₀ protein as a marker for tissue damage related to extracorporeal shock wave lithotripsy," <i>Eur. Urol.</i> 24:393-396 (1993).	
	C109	Hasegawa et al., "Increased levels of calbindin-D in serum and urine from patients treated by extracorporeal shock wave lithotripsy," <i>Journal of Urology</i> 149:1414-1418 (1993).	
	C110	Hayasaka et al., "Elevated plasma levels of matrix metalloproteinase-9 (92-kd type IV collagenase/gelatinase B) in hepatocellular carcinoma," <i>Hepatology</i> 24:1058-1062 (1996).	
	C111	Haznedaroglu, I.C. et al., "Selectins and IL-6 during the clinical course of idiopathic thrombocytopenic purpura," <i>Acta Haematol.</i> 101:16-20 (1999).	
	C112	Herraez-Dominguez, M.V. et al., "Immunological determination of muscle-type enolase in the serum as a diagnostic test for myocardial infarction," <i>Clin. Chim. Acta</i> 64:307-315 (1975).	

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	C113	Hirashima et al., "Cerebrospinal fluid tissue factor and thrombin-antithrombin III complex as indicators of tissue injury after subarachnoid hemorrhage," <i>Stroke</i> 28:1666-1670 (1997).	
	C114	Hirashima et al., "Elevation of platelet activating factor, inflammatory cytokines, and coagulation factors in the internal jugular vein of patients with subarachnoid hemorrhage," <i>Neurochem. Res.</i> 22: 1249-1255 (1997).	
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	C119	Holvoet, P., "Oxidative modification of low-density lipoproteins in atherothrombosis," <i>Acta Cardiol.</i> 53:253-260 (1998).	
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	C124	Izasa, T. et al., "Elevated levels of circulating plasma matrix metalloproteinase 9 in non-small cell lung cancer patients," <i>Clin. Cancer Res.</i> 5:149-153 (1999).	

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				Filing Date	12/03/2003
				First Named Inventor	Kenneth F. Buechler
				Group Art Unit	1641
				Examiner Name	Jung
				Attorney Docket Number	071949-5604

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS

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	C125	Ikeda, H. et al., "Increased soluble form of P-selectin in patients with unstable angina," <i>Circulation</i> 92:1693-1696 (1995).	
	C126	Ikeda, H. et al., "Soluble form of P-selectin in patients with acute myocardial infarction," <i>Coron. Artery Dis.</i> 5:515-518 (1994).	
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	C138	Kaikita, K. et al., "Soluble P-selectin is released into the coronary circulation after coronary spasm," <i>Circulation</i> 92:1726-1730 (1995).	
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				Group Art Unit	1641
				Examiner Name	Jung
				Attorney Docket Number	071949-5604

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	C163	Krupinski, J. et al., "Protein kinase C expression and activity in the human brain after ischaemic stroke," <i>Acta Neurobiol. Exp. (Warz)</i> 58:13-21 (1998).	
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	C171	Latini et al., "Cytokines in acute myocardial infarction: selective increase in circulating tumor necrosis factor, its soluble receptor, and interleukin-1 receptor antagonist," <i>J. Cardiovasc. Pharmacol.</i> , 23:1-6 (1994).	
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	C173	Lee et al., "Insulin-like growth factors and cerebral ischemia," <i>Ann. N.Y. Acad. Sci.</i> 679:418-422 (1993).	
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	C177	Li et al., "The expression of monocyte chemotactic protein (MCP-1) in human vascular endothelium <i>in vitro</i> and <i>in vivo</i> ," <i>Mol. Cell. Biochem.</i> 126:61-68 (1993).	
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Sheet	18	of	28	Application Number	10/728,067
				Filing Date	12/03/2003
				First Named Inventor	Kenneth F. Buechler
				Group Art Unit	1641
				Examiner Name	Jung
				Attorney Docket Number	071949-5604

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ⁶
	C202	Misumi, K. et al., "Comparison of plasma tissue factor levels in unstable and stable angina pectoris," <i>Am. J. Cardiol.</i> 81:22-26 (1998).	
	C203	Miwa, K. et al., "Soluble E-selectin, ICAM-1 and VCAM-1 levels in systemic and coronary circulation in patients with variant angina," <i>Cardiovasc. Res.</i> 36:37-44 (1997).	
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Attorney Docket Number 071949-5604

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	C215	Murawaki, Y. et al., "Clinical usefulness of serum matrixmetalloproteinase-2 concentration in patients with chronic viral liver disease," <i>J. Hepatol.</i> 30:1090-1098 (1999).	
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	C221	Nishiyama et al., "Simultaneous elevation of the levels of circulating monocyte chemoattractant protein-1 and tissue factor in acute coronary syndromes," <i>Jpn. Circ. J.</i> 62:710-712 (1998).	
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				Filing Date	12/03/2003
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				Group Art Unit	1641
				Examiner Name	Jung
				Attorney Docket Number	071949-5604

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	C227	Ogawa, H. et al., "Plasma platelet-derived growth factor levels in coronary circulation in unstable angina pectoris," <i>Am. J. Cardiol.</i> 69:453-456 (1992).	
	C228	Ogawa, H. et al., "Plasma soluble intercellular adhesion molecule-1 levels in coronary circulation in patients with unstable angina," <i>Am. J. Cardiol.</i> 83:38-42 (1999).	
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(use as many sheets as necessary)				Filing Date	12/03/2003
Sheet	21	of	28	First Named Inventor	Kenneth F. Buechler
				Group Art Unit	1641
				Examiner Name	Jung
				Attorney Docket Number	071949-5604

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	C240	Polin et al., "Detection of soluble E-selectin, ICAM-1, VCAM-1, and L-selectin in the cerebrospinal fluid of patients after subarachnoid hemorrhage," <i>J. Neurosurg.</i> 89:559-567 (1998).	
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	C251	Rossi et al., "Natriuretic peptide levels in atrial fibrillation," <i>Journal of the American College of Cardiology</i> 35: 1256-62 (2000).	
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				Filing Date	12/03/2003
				First Named Inventor	Kenneth F. Buechler
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	C253	Rubattu et al., "The gene encoding atrial natriuretic peptide and the risk of human stroke," <i>Circulation</i> 100:1722-1726 (1999).	
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	C276	Sobel, M. et al., "Circulating platelet products in unstable angina pectoris," <i>Circulation</i> 63:300-306 (1981).	
	C277	Soejima, H. et al., "Heightened tissue factor associated with tissue factor pathway inhibitor and prognosis in patients with unstable angina," <i>Circulation</i> 99:2908-2913 (1999).	
	C278	Soejima, H. et al., "Angiotensin-converting enzyme inhibition reduces monocyte chemoattractant protein-1 and tissue factor levels in patients with myocardial infarction," <i>J. Am. Coll. Cardiol.</i> 34:983-988 (1999).	

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Sheet	24	of	28	Application Number	10/728,067
				Filing Date	12/03/2003
				First Named Inventor	Kenneth F. Buechler
				Group Art Unit	1641
				Examiner Name	Jung
				Attorney Docket Number	071949-5604

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ⁶
	C279	Sorbi et al., "Elevated levels of 92-kd type IV collagenase (Matrix metalloproteinase 9) in giant cell arteritis," <i>Arthritis Rheum.</i> 39:1747-1753 (1996).	
	C280	Sorkness et al., "Evaluation of serum eosinophil cationic protein as a predictive marker for asthma exacerbation in patients with persistent disease," <i>Clin. Exp. Allergy</i> 32:1355-59 (2002).	
	C281	Soufer et al., "Intact systolic left ventricular function in clinical congestive heart failure," <i>Am. J. Cardiol.</i> 55:1032-6 (1985).	
	C282	Squadrito, F. et al., "Thrombolytic therapy with urokinase reduces increased circulating endothelial adhesion molecules in acute myocardial infarction," <i>Inflamm. Res.</i> 45:14-19 (1996).	
	C283	Steiner et al., "Increased levels of soluble adhesion molecules in Type 2 (Non-insulin dependent) diabetes mellitus are independent of glycaemic control," <i>Thromb. Haemost.</i> 72:979-984 (1994).	
	C284	Stockman et al., "Secondary structure and topology of interleukin-1 receptor antagonist protein determined by heteronuclear three-dimensional NMR spectroscopy," <i>Biochemistry</i> 31:5237-5245 (1992).	
	C285	Suefuji, H. et al., "Increased plasma tissue factor levels in acute myocardial infarction," <i>Am. Heart J.</i> 134:253-259 (1997).	
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	C289	Takahashi et al., "Tissue factor in plasma of patients with disseminated intravascular coagulation," <i>Am. J. Hematol.</i> 46:333-337 (1994).	
	C290	Takeda, I. et al., "Soluble P-selectin in the plasma of patients with connective tissue diseases," <i>Int. Arch. Allergy Immunol.</i> 105:128-134 (1994).	

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	C291	Tanaka, M. and Suzuki, A., "Hemostatic abnormalities in acute myocardial infarction as detected by specific blood markers, <i>Thromb. Res.</i> 76:289-98 (1994)."	
	C292	Tanaka, T. et al., "Serum and urinary human heart fatty acid-binding protein in acute myocardial infarction," <i>Clin. Biochem.</i> 24:195-201 (1991).	
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	C297	Thomas et al., "Serum myelin basic protein, clinical responsiveness, and outcome of severe head injury," <i>Acta Neurochir. Suppl.</i> 28: 93-95 (1979).	
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	C299	Tietz Textbook of Clinical Chemistry, 2nd edition, Carl Burtis and Edward Ashwood eds., W.B. Saunders and Company, p. 485-507.	
	C300	Tohgi et al., "Coagulation-fibrinolysis abnormalities in acute and chronic phases of cerebral thrombosis and embolism," <i>Stroke</i> 21: 1663-1667 (1990).	
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	C303	Trotter et al., "Immunoreactive myelin proteolipid protein-like activity in cerebrospinal fluid and serum of neurologically impaired patients," <i>Ann. Neurol.</i> , 14: 554-558 (1983).	

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	C304	Tsuji, R. et al., "Human heart-type cytoplasmic fatty acid-binding protein in serum and urine during hyperacute myocardial infarction," <i>Int. J. Cardiol.</i> 41:209-217 (1993).	
	C305	Uchiyama et al., "Alterations of platelet, coagulation, and fibrinolysis markers in patients with acute ischemic stroke," <i>Semin. Thromb. Hemost.</i> 23: 535-541 (1997).	
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	C308	Usui, A. et al., "Neural tissue-related proteins (NSE, G ₀ α, 28-kDa calbindin-D, S100b and CK-BB) in serum and cerebrospinal fluid after cardiac arrest," <i>J. Neurol. Sci.</i> 123:134-139 (1994).	
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	C312	Van Nieuwenhoven, F.A. et al., "Discrimination between myocardial and skeletal muscle injury by assessment of the plasma ratio of myoglobin over fatty acid-binding protein," <i>Circulation</i> 92:2848-2854 (1995).	
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	C314	Venge, "Serum measurements of eosinophil cationic protein (ECP) in bronchial asthma," <i>Clinical and experimental allergy</i> , 23 (2):3-7 (1993).	
	C315	Viera et al., "Isolation and expression of human cytokine synthesis inhibitory factor cDNA clones: homology to Epstein-Barr virus open reading frame BCRFI," <i>Proc. Natl. Acad. Sci. USA</i> 88:1172-76 (1991).	
	C316	Virchow et al., "Sputum ECP levels correlate with parameters of airflow obstruction," <i>Am. Rev. Respir. Dis.</i> 146:604-6 (1992).	

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	C317	Wallace, J.M. et al., "The assessment of platelet derived growth factor concentration in post myocardial infarction and stable angina patients," <i>Ann. Clin. Biochem.</i> 35:236-241 (1998).	
	C318	Ward et al., "Binding activities of a repertoire of single immunoglobulin variable domains secreted from <i>Escherichia coli</i> , <i>Nature</i> 341:544-546 (1989).	
	C319	Whicher et al., "Procalcitonin as an acute phase marker," <i>Ann. Clin. Biochem.</i> 38: 483-93 (2001).	
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	C323	Woertgen et al., "Comparison of serial S-100 and NSE serum measurements after severe head injury," <i>Acta Neurochir (Wien)</i> 139: 1161-1165 (1997).	
	C324	Xu, Y. et al., "Lysophosphatidic Acid as a potential biomarker for ovarian and other gynecologic cancers," <i>JAMA</i> 280:719-723 (1998).	
	C325	Yamane et al., "Serum levels of KL-6 as a useful marker for evaluating pulmonary fibrosis in patients with systemic sclerosis," <i>J. Rheumatol.</i> 27:930-4 (2000).	
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	C327	Yap et al., "Contraction to big endothelin-1, big endothelin-2 and big endothelin-3, and endothelin-converting enzyme inhibition in human isolated bronchi," <i>Br. J. Pharmacol.</i> 129:170-6 (2000).	
	C328	Yarmush et al., "Coupling of antibody-binding fragments to solid-phase supports: site-directed binding of F(ab') ₂ fragments," <i>J. Biochem. Biophys. Methods</i> 25:285-297 (1992).	
	C329	Yazdani, S. et al., "Percutaneous interventions alter the hemostatic profile of patients with unstable versus stable angina," <i>J Am Coll Cardiol</i> 30:1284-1287 (1997).	

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	C330	Yoneda et al., "Identification of a novel adenylate kinase system in the brain: Cloning of the fourth adenylate kinase," <i>Mol. Brain Res.</i> 62:187-195 (1998).	
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